

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the Application.

Listing of Claims:

Claims 1-43 (Canceled).

Claim 44. (Previously presented) A method for communicatively coupling a packet network to at least one communication network having an associated information format, the method comprising:

receiving, from one of the packet network and the at least one communication network, information requesting setup of a call between the packet network and the at least one communication network;

providing, to a host device, at least a portion of the information requesting setup of a call;

receiving, from the host device, configuration information based upon the at least a portion of the information requesting setup of a call; and

establishing call communication between the packet network and the at least one communication network based upon the configuration information, the communication including the conversion of information received in a packet format for transmission in the associated format, and the conversion of information received in the associated format for transmission in the packet format, wherein the conversion of information received in a packet format for transmission in the associated format comprises buffering digitized voice information for a period of time to minimize gaps in a voice signal.

Claim 45. (Previously Presented) The method of claim 44 wherein the packet network is compliant with an Internet protocol (IP).

Claim 46. (Previously Presented) The method of claim 45 wherein the Internet Protocol is compliant with the transmission control protocol (TCP)/ Internet protocol (IP).

Claim 47. (Previously Presented) The method of claim 44 wherein packets comprise digitized voice information.

Claim 48. (Previously Presented) The method of claim 44 wherein packets comprise non-voice data.

Claim 49. (Previously Presented) The method of claim 48 wherein at least a portion of the non-voice data is unrelated to the communication of digitized voice information.

Claim 50. (Previously Presented) The method of claim 44 wherein the at least one communication network is a second packet network.

Claim 51. (Previously Presented) The method of claim 50 wherein the second packet network is compliant with an Internet protocol (IP).

Claim 52. (Previously Presented) The method of claim 51 wherein the Internet Protocol is compliant with the transmission control protocol (TCP)/ Internet protocol (IP).

Claim 53. (Previously Presented) The method of claim 44 wherein the at least one communication network comprises a conventional telephone switching network.

Claim 54. (Previously Presented) The method of claim 53 wherein the associated format is an analog format.

Claim 55. (Previously Presented) The method of claim 53 wherein the associated information format is a digital format.

Claim 56. (Previously Presented) The method of claim 53 wherein the associated format is a modem signal.

Claim 57. (Previously Presented) The method of claim 44 wherein the conversion of information received in a packet format for transmission in the associated format comprises converting digitized voice information into an analog voice signal.

Claim 58. (Cancelled)

Claim 59. (Previously Presented) The method of claim 44 wherein the conversion of information received in the associated format for transmission in the packet format comprises converting an analog voice signal into digitized voice information.

Claim 60. (Previously presented) The method of claim 44 wherein conversion of information received in the associated format for transmission in a packet format reduces a number of voice packets transmitted via the at least one packet network, by changing the packetization when voice activity on the at least one network interface is below a predetermined level.

Claim 61. (Previously Presented) The method of claim 44 wherein the host device is a personal computer.

Claim 62. (Previously Presented) The method of claim 44 wherein the packet network is a wireless network.

Claim 63. (Currently amended) A non-transitory machine-readable storage having stored thereon a computer program having a plurality of code sections for implementing a system supporting communication between a packet network and at least one other network, the at least one other network having an associated communication format, the code sections executable by a machine for causing the machine to perform operations comprising:

accepting a request for setup of a call, the request identifying the at least one other network;

providing, to a host device, information related to the call setup request;

receiving, from the host device, call parameters derived from the information related to the call setup request; and

communicatively coupling the packet network and the at least one other network, based upon the call parameters, wherein the coupling comprises converting information from a packet format to the associated communication format of the at least one other network; and transforming information from the associated communication format of the at least one other network to a packet format, and wherein converting information from a packet format to the associated format comprises buffering digitized voice information for a period of time to minimize gaps in a voice signal.

Claim 64. (Cancelled)

Claim 65. (Currently amended) The non-transitory machine-readable storage of claim 63 wherein the packet format is compliant with an Internet protocol (IP).

Claim 66. (Currently amended) The non-transitory machine-readable storage of claim 65 wherein the packet format is the transmission control protocol (TCP)/Internet protocol (IP).

Claim 67. (Currently amended) The non-transitory machine-readable storage of claim 63 wherein the at least one other network comprises a conventional telephone switching network.

Claim 68. (Currently amended) The non-transitory machine-readable storage of claim 67 wherein the associated communication format of the at least one other network is an analog format.

Claim 69. (Currently amended) The non-transitory machine-readable storage of claim 63 further comprising:
communicating with the host device digitized voice information.

Claim 70. (Currently amended) The non-transitory machine-readable storage of claim 63 wherein the packet network is a wireless network.

Claim 71. (Previously presented) One or more circuits for use in a device for communicatively coupling a packet network to at least one communication network having an associated information format, the one or more circuits comprising:
at least one processor operatively coupled to interface circuitry for communicating using the packet network and the at least one communication network, the at least one processor operable to, a least:

receive, from one of the packet network and the at least one communication network, information requesting setup of a call between the packet network and the at least one communication network;

provide, to a host device, at least a portion of the information requesting setup of a call;

receive, from the host device, configuration information based upon the at least a portion of the information requesting setup of a call; and

establish call communication between the packet network and the at least one communication network based upon the configuration

information, the communication including the conversion of information received in a packet format for transmission in the associated format, and the conversion of information received in the associated format for transmission in the packet format, wherein the conversion of information received in a packet format for transmission in the associated format comprises buffering digitized voice information for a period of time to minimize gaps in a voice signal.

Claim 72. (Previously presented) The one or more circuits of claim 71 wherein the packet network is compliant with an Internet protocol (IP).

Claim 73. (Previously presented) The one or more circuits of claim 72 wherein the Internet Protocol is compliant with the transmission control protocol (TCP)/ Internet protocol (IP).

Claim 74. (Previously presented) The one or more circuits of claim 71 wherein packets comprise digitized voice information.

Claim 75. (Previously presented) The one or more circuits of claim 71 wherein packets comprise non-voice data.

Claim 76. (Previously presented) The one or more circuits of claim 75 wherein at least a portion of the non-voice data is unrelated to the communication of digitized voice information.

Claim 77. (Previously presented) The one or more circuits of claim 71 wherein the at least one communication network is a second packet network.

Claim 78. (Previously presented) The one or more circuits of claim 77 wherein the second packet network is compliant with an Internet protocol (IP).

Claim 79. (Previously presented) The one or more circuits of claim 78 wherein the Internet Protocol is compliant with the transmission control protocol (TCP)/ Internet protocol (IP).

Claim 80. (Previously presented) The one or more circuits of claim 71 wherein the at least one communication network comprises a conventional telephone switching network.

Claim 81. (Previously presented) The one or more circuits of claim 80 wherein the associated format is an analog format.

Claim 82. (Previously presented) The one or more circuits of claim 80 wherein the associated information format is a digital format.

Claim 83. (Previously presented) The one or more circuits of claim 80 wherein the associated format is a modem signal.

Claim 84. (Previously presented) The one or more circuits of claim 71 wherein the conversion of information received in a packet format for transmission in the associated format comprises converting digitized voice information into an analog voice signal.

Claim 85. (Cancelled)

Claim 86. (Previously presented) The one or more circuits of claim 71 wherein the conversion of information received in the associated format for transmission in the packet format comprises converting an analog voice signal into digitized voice information.

Claim 87. (Previously presented) The one or more circuits of claim 71 wherein conversion of information received in the associated format for transmission in a packet format reduces a number of voice packets transmitted via the at least one packet network, by changing the packetization when voice activity on the at least one network interface is below a predetermined level.

Claim 88. (Previously presented) The one or more circuits of claim 71 wherein the host device is a personal computer.

Claim 89. (Previously presented) The one or more circuits of claim 71 wherein the packet network is a wireless network.

Claim 90. (Previously presented) The method of claim 44 wherein the method comprises:
automatically determining the period of time using a propagation delay of the packet network, if the conversion comprises converting packetized digital voice information to a voice stream.

Claim 91. (Previously presented) The method of claim 90 wherein the determining is performed before communication of voice begins.

Claim 92. (Previously presented) The method of claim 90 wherein the determining is performed during communication of voice, if the propagation delay of the packet network is above a certain level.

Claim 93. (Currently amended) The non-transitory machine-readable storage of claim 63 wherein the operations comprise automatically determining the period of time using a propagation delay of the packet network, if the conversion comprises converting packetized digital voice information to a voice stream.

Claim 94. (Currently amended) The non-transitory machine-readable storage of claim 93 wherein the determining is performed before communication of voice begins.

Claim 95. (Currently amended) The non-transitory machine-readable storage of claim 93 wherein the determining is performed during communication of voice, if the propagation delay of the packet network is above a certain level.

Claim 96. (Previously presented) The one or more circuits of claim 71 wherein the at least one processor is operable to, at least, automatically determine the period of time using a propagation delay of the packet network, if the conversion comprises converting packetized digital voice information to a voice stream.

Claim 97. (Previously presented) The one or more circuits of claim 96 wherein the determining is performed before communication of voice begins.

Claim 98. (Previously presented) The one or more circuits of claim 96 wherein the determining is performed during communication of voice, if the propagation delay of the packet network is above a certain level.

Claim 99. (New) The method of claim 44 wherein the host device accesses user-modifiable data comprising a plurality of call destination identifiers each having an associated one of a plurality of routing path identifiers, and wherein the host device produces the call parameters by identifying the routing path identifier associated with a call destination identifier in the information requesting setup of a call.

Claim 100. (New) The method of claim 99 wherein the plurality of routing path identifiers comprises a routing path identifier that causes the host device to prompt the user to select a call route.

Claim 101. (New) The method of claim 99 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via the Internet.

Claim 102. (New) The method of claim 99 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a local area packet network.

Claims 103. (New) The method of claim 99 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a switched telephone network.

Claim 104. (New) The non-transitory machine-readable storage of claim 63 wherein the host device accesses user-modifiable data comprising a plurality of call destination identifiers each having an associated one of a plurality of routing path identifiers, and wherein the host device produces the call parameters by identifying the routing path identifier associated with a call destination identifier in the request for setup of a call.

Claim 105. (New) The non-transitory machine-readable storage of claim 104 wherein the plurality of routing path identifiers comprises a routing path identifier that causes the host device to prompt the user to select a call route.

Claim 106. (New) The method of claim 104 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via the Internet.

Claim 107. (New) The method of claim 104 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a local area network.

Claim 108. The method of claim 104 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a switched telephone network.

Claim 109. (New) The one or more circuits of claim 71 wherein the host device accesses user-modifiable data comprising a plurality of call destination identifiers each having an associated one of a plurality of routing path identifiers, and wherein the host device produces the call parameters by identifying the routing path identifier associated with a call destination identifier in the information requesting setup of a call.

Claim 110. (New) The one or more circuits of claim 109 wherein the plurality of routing path identifiers comprises a routing path identifier that causes the host device to prompt the user to select a call route.

Claim 111. (New) The one or more circuits of claim 109 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via the Internet.

Claim 112. (New) The one or more circuits of claim 109 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a local area network.

Claim 113. The one or more circuits of claim 109 wherein the plurality of routing path identifiers comprises a routing path identifier that causes routing of a call via a switched telephone network.